

- 9 5 Delete "loop surface" and replace with
--physical spacing--;
- 9 8 Delete "conductors and therefore an
increase in the loop surface" and
replace with --conductors.--;
- 9 9 Delete in its entirety;
- 9 10 Delete "the increase in capacitance" and
replace with --This effects an increase
in the conductor length which is greater
than increase in the physical spacing
area so that the capacitance value
increases more than the inductance
value--;

- 10 7 Delete "1M" (both occurrences) and
replace with --1MHZ--;
Delete "100M" (both occurrences) and
replace with --100MHZ--.

In the Claims

Please cancel claims 1, 3 and 4, without
prejudice, amend claims 2, 5 and 6 and add new claim 8 as
follows:

2. (Amended) A telecommunications cable
according to claim [1] wherein the twist lay of each
conductor pair is different from each other pair.

3 5. (Amended) A telecommunications cable
according to claim [3] wherein there are twenty-five
conductor pairs including two [pluralities] groups of
conductor pairs in each of which the conductor insulations
are of substantially equal thickness, [and which is
different from that of the conductors of the other
plurality] the thickness being different from one group to
the other.

4. A telecommunications cable according to claim
[3] wherein the conductors are each of 24 AWG and have
different twist lays from 0.25 to 0.86 inches with the
conductors in a plurality of conductor pairs with twist lays
within a lower range each having an insulation thickness

AP which is greater than an insulation thickness of the other conductor pairs with twist lays within an upper range.

A 11

--8. A telecommunications cable comprising a core having a plurality of pairs of twisted together individually insulated conductors with all of the conductors being of the same gauge and the maximum twist lay of the plurality of pairs being 2.00 inches with a first group of the plurality of conductor pairs having twist lays within a first range, the conductors of the first group having the same insulation thickness which is consistent with providing a nominal characteristic impedance for each conductor pair of the first group within desirable limits and an acceptable signal attenuation, and at least a second group of the plurality of conductor pairs having twist lays within a second range, the conductors of the second group having the same insulation thickness which is different from that for the first group and which is consistent with providing a nominal characteristic impedance for each conductor pair of the second group which is also within the desirable limits and an acceptable signal attenuation.--

The Commissioner is hereby authorized to charge any additional fee which may be required, or credit any overpayment to Deposit Account #14-1315.

Remarks

The Examiner's comments and objections have been considered thoroughly. With regard to the objection concerning Figure 1, upon reconsideration of this figure, the Applicants apologize that it is indeed misleading. As the Examiner points out the insulation reference numeral 14 is not shown on this figure and the web-like feature 18 is also misleading.

Changes to Figure 1 clarify the situation which inevitably resulted in the figure having to be redrawn. As a result original Figure 1 is being cancelled and is being sent with a separate letter entitled "Request to Approve Drawing Changes" together with a new representation of Figure 1